

Ref. no: 29-P	Project title	<u>Decision Making Tools in the Production Systems of Personal Care Products</u>					
Name of legal entity	Country	Proportion carried out by legal entity (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of consortium members, if any
Sustainable Development and Cleaner Production Center (SDCPC)	Turkey	100	2	Unilever Turkey	Unilever Turkey	December 2015 –	
Detailed description of project					Type of services provided		
<p>Life Cycle Assessment is a method of analyzing the environmental impact of products and services that considers their full life cycle. Companies can use LCA for modelling the environmental impacts of a new process, driving some innovations and/or improvements on the products, corroborating marketing activities with scientific reports etc. There is an international standard for LCA called ISO 14040:2006, which lists some applications as identification of improvement possibilities, decision-making, choice of environmental performance indicators and market claims. Additionally, the Open Working Group by UNSDSN recommended 17 global sustainable development goals and 169 accompany targets. In this study, Goal 12, which is “Ensure sustainable consumption and production patterns”, will be examined by applicability of suggested targets. The goal of this study is to evaluate the ecological footprints and integrate results with eco-labelling approach for selected products. The product data and the consumer use data will be collected from industry. Environmental impacts of different PCPs’ formulations will be studied by using EcoInvent database and CML assessment methodology. Defining boundaries is an important stage to implement a LCA study. In this study the stages are selected as raw material acquisition, manufacture, distribution, consumer use and disposal. The following environmental parameters will be considered; global warming, acidification, eutrophication and photochemical ozone creation potentials, greenhouse gas emission, water consumption and waste generation with emphasis on global warming and water consumption. Overall normalized environmental impacts will also be assessed.</p>					<ul style="list-style-type: none"> - LCA comparison of two different hair conditioners - Ecological footprints of selected personal care products will be expressed - Evaluating production process in term of SDG 12 		